

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8612	spiral near coil	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 06:55
L2	1198	(expos\$3 near develop\$3) near photosensitive	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 06:56
L3	11	(expos\$3 near develop\$3) near photosensitive near mask	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:08
L4	0	1 and 3	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:01
L5	3	longitudinal near spiral near coil	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:04
L6	18	photosensitive with (spiral near (shape or structure))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:06
L7	2	1 and 6	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:04
L8	4	etch\$3 with photosensitive with (spiral near (shape or structure))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:08
L9	17	(etch\$3 with photosensitive) same (spiral near (shape or structure))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:07
L10	1	((expos\$3 near develop\$3) near photosensitive) with (spiral near (shape or structure))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:13
L11	2	((expos\$3 near develop\$3) near photosensitive) same (spiral near (shape or structure))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:08
L12	37	((expos\$3 near develop\$3) near photosensitive) and (spiral near (shape or structure))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:09

L13	8656	microsolenoid or (spiral near coil)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:09
L14	32	12 and 13	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:09
L15	2	("5446311" "5936298").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 07:12
L16	680	insulat\$3 near photosensitive	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 07:13
L17	1198	((expos\$3 near develop\$3) near photosensitive)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:13
L18	9	spiral near photosensitive	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:13
L19	0	16 and 17 and 18	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:13
L20	5	nishi-takashi.in. and spiral	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:18
S1	30018	(microsolenoid or solenoid) with coil	USPAT; JPO; DERWENT	OR	ON	2006/01/09 06:54
S2	6	((microsolenoid or solenoid) with coil) and microsolenoid	USPAT; JPO; DERWENT	OR	ON	2003/07/22 12:09
S3	1524	438/3,42,57,98.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/07/22 11:52
S4	6	((microsolenoid or solenoid) with coil) and 438/3,42,57,98.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/07/22 11:53
S5	5847	427/96,97,116,123,124.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/07/22 11:54
S6	8	((microsolenoid or solenoid) with coil) and 427/96,97,116,123,124.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/07/22 11:55

S7	4997	29/606,602.1,846,847.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/07/22 11:55
S8	4	((microsolenoid or solenoid) with coil) and 29/606,602.1,846,847.ccls.) and mask\$3 and etch\$3	USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:16
S9	5	("3305814" "4933209" "5336921" "5884990" "5898991").PN.	USPAT	OR	ON	2003/07/22 11:56
S10	20	"3305814".URPN.	USPAT	OR	ON	2003/07/22 11:57
S11	71	((microsolenoid or solenoid) with coil) and 29/606,602.1,846,847.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/07/22 12:00
S12	286	((microsolenoid or solenoid) with coil) and mask\$3 and etch\$3	USPAT; JPO; DERWENT	OR	ON	2003/07/22 12:04
S13	232	((microsolenoid or solenoid) with coil) and mask\$3 and etch\$3) and @ad<"19990414"	USPAT; JPO; DERWENT	OR	ON	2003/07/22 12:05
S14	61	((microsolenoid or solenoid) with coil) and mask\$3 and etch\$3) and @ad<"19990414") and groove	USPAT; JPO; DERWENT	OR	ON	2003/07/22 12:05
S15	15	microsolenoid	USPAT; JPO; DERWENT	OR	ON	2003/07/23 10:51
S16	33	(Spiral adj coil) same substrate and photosensitive	USPAT; JPO; DERWENT	OR	ON	2003/07/22 12:11
S17	4	("3290758" "3614554" "5372967" "5514832").PN.	USPAT	OR	ON	2003/07/22 12:13
S18	35	"430"/\$.ccls. and ((microsolenoid or solenoid) with coil)	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:26
S19	2	("5112438").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2003/07/22 12:35
S20	12	"5112438".URPN.	USPAT	OR	ON	2003/07/22 12:35
S21	22	("2851630" "3504223" "3508108" "3610998" "3610999" "3615470" "3654509" "3670196" "3693038" "3972005" "4005321" "4115721" "4129803" "4229676" "4268778" "4347419" "4465988" "4647816" "4820688" "5112438" "5231330" "5786306").PN.	USPAT	OR	ON	2003/07/22 12:36
S22	12	"5112438".URPN.	USPAT	OR	ON	2003/07/22 12:37
S23	2	("3110098" "3508108").PN.	USPAT	OR	ON	2003/07/22 12:43

S24	10	("430"/\$.ccls. and ((microsolenoid or solenoid) with coil)) and etch\$3	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:27
S25	180	216/2,39,49,58,67.ccls. and (photoresist) and groove	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:27
S26	694	"430"/\$.ccls. and (photoresist) and groove	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:33
S27	854	(216/2,39,49,58,67.ccls. and (photoresist) and groove) or ("430"/\$.ccls. and (photoresist) and groove)	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:28
S28	211	((216/2,39,49,58,67.ccls. and (photoresist) and groove) or ("430"/\$.ccls. and (photoresist) and groove)) and (dry adj etch\$3)	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:34
S29	7	((((216/2,39,49,58,67.ccls. and (photoresist) and groove) or ("430"/\$.ccls. and (photoresist) and groove)) and (dry adj etch\$3)) and (metal adj wir\$3)	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:34
S30	84	430/313,316,317.ccls. and (photoresist) and groove	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:34
S31	260	(216/2,39,49,58,67.ccls. and (photoresist) and groove) or (430/313, 316,317.ccls. and (photoresist) and groove)	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:34
S32	86	((216/2,39,49,58,67.ccls. and (photoresist) and groove) or (430/313, 316,317.ccls. and (photoresist) and groove)) and (dry adj etch\$3)	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:35
S33	3	((((216/2,39,49,58,67.ccls. and (photoresist) and groove) or (430/313, 316,317.ccls. and (photoresist) and groove)) and (dry adj etch\$3)) and (metal adj wir\$3)	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:35
S34	52	((216/2,39,49,58,67.ccls. and (photoresist) and groove) or (430/313, 316,317.ccls. and (photoresist) and groove)) and (mask\$3 same (dry adj etch\$3))	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:36
S35	46	((((216/2,39,49,58,67.ccls. and (photoresist) and groove) or (430/313, 316,317.ccls. and (photoresist) and groove)) and (mask\$3 same (dry adj etch\$3))) and @ad<"19990415"	USPAT; JPO; DERWENT	OR	ON	2003/07/22 14:36
S36	389	nishi-takashi.in.	USPAT; JPO; DERWENT	OR	ON	2003/07/22 15:40

S37	1	nishi-takashi.in. and (microsolenoid or solenoid) with coil	USPAT; JPO; DERWENT	OR	ON	2003/07/22 15:41
S38	4	nishi-takashi.in. and (microsolenoid or solenoid)	USPAT; JPO; DERWENT	OR	ON	2006/01/09 07:17
S39	4840	substrate and (photoresist adj material) and metal	USPAT; JPO; DERWENT	OR	ON	2003/07/24 09:12
S40	18	(substrate and (photoresist adj material) and metal) and (solenoid and coil)	USPAT; JPO; DERWENT	OR	ON	2003/07/24 09:12
S41	15	microsolenoid	USPAT; JPO; DERWENT	OR	ON	2003/07/24 09:15
S42	2	("6725528").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/01/06 13:09
S43	46	microsolenoid	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:21
S44	1	427/96,97,116,123,124.ccls. and microsolenoid	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:12
S45	4	29/606,602.1,846,847.ccls. and microsolenoid	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:12
S46	1	427/96,97,116,123,124.ccls. and microsolenoid	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:12
S47	4	S44 or S45 or S46	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:13
S48	0	jp-052046787-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:16
S49	1	jp-52046787-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:19

S50	4	spiral near photosensitive near material	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:19
S51	0	spiral near microsolenoid	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:21
S52	2	JP-10189339-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:21
S53	0	JP-5246787-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:21
S54	2	JP-05246787-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/06 13:23
S55	2	("6303971").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/01/06 13:23
S56	5	("3290758" "3614554" "5372967" "5514832").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 13:23
S57	16	("6303971").URPN.	USPAT	OR	ON	2006/01/06 13:25



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» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

- ☐ 1. **Helical microstructures grown by laser assisted chemical vapor deposition**
Boman, M.; Westberg, H.; Johansson, S.; Schweitz, J.-A.;
Micro Electro Mechanical Systems, 1992, MEMS '92, Proceedings. 'An Investigation of Helical Structures, Sensors, Actuators, Machines and Robots'. IEEE
4-7 Feb. 1992 Page(s):162 - 167
Digital Object Identifier 10.1109/MEMSYS.1992.187711
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